

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (original):** A refrigerator comprising:
2 a cabinet;
3 a first refrigerated compartment within the cabinet having
4 a door;
5 a second refrigerated compartment within the cabinet;
6 a dividing wall separating the first refrigerated
7 compartment from the second refrigerated compartment;
8 a duct connecting the first refrigerated compartment for
9 airflow communication with the second refrigerated compartment;
10 a damper movable between an open position and a closed
11 position for controlling airflow within the duct;
12 a refrigeration apparatus having a refrigeration cycle
13 being measured from a first starting of the refrigeration
14 apparatus to a second consecutive starting of the refrigeration
15 apparatus, and an off cycle being a time within said
16 refrigeration cycle during which the refrigeration apparatus is
17 not operating;
18 a controller for controlling the damper; and
19 a door sensor connected to the controller for detecting
20 when the door is open;
21 wherein if the controller determines that the door has
22 remained closed for a set number of refrigeration cycles, the
23 controller maintains the damper in the closed position during a
24 subsequent consecutive off cycle.

1 **Claim 2 (original):** The refrigerator of claim 1, wherein
2 the refrigeration apparatus is a compressor.

1 **Claim 3 (original):** The refrigerator of claim 1, wherein
2 the set number of refrigeration cycles is three.

1 **Claim 4 (original):** The refrigerator of claim 1, wherein
2 the set number of refrigeration cycles is one.

1 **Claim 5 (previously presented):** An apparatus for
2 controlling airflow between compartments in a two compartment
3 refrigerator having a door, the apparatus comprising:
4 a damper for opening and closing a duct between the two
5 compartments of the refrigerator;
6 a controller for controlling the opening and closing of the
7 damper; and
8 a door sensor connected to the controller for detecting
9 when the door is open;
10 wherein if the controller determines that the door has
11 remained closed for a set period, the controller closes and/or
12 maintains the damper in the closed position during a subsequent
13 operation of a refrigeration apparatus.

1 **Claim 6 (original):** The apparatus of claim 5, wherein the
2 two compartments comprise a frozen food compartment and a fresh
3 food compartment, the door being associated with the fresh food
4 compartment.

1 **Claim 7 (original):** The apparatus of claim 5, wherein the
2 door sensor is a switch.

1 **Claim 8 (original):** The apparatus of claim 5, wherein the
2 set period is a set number of on/off cycles of a compressor of
3 the refrigerator.

1 **Claim 9 (original):** The apparatus of claim 8, wherein the
2 set number of on/off cycles is three.

1 **Claim 10 (original):** A self defrosting refrigerator
2 comprising:
3 a cabinet;
4 a first refrigerated compartment within the cabinet having
5 a first door;
6 a second refrigerated compartment within the cabinet having
7 a second door;
8 a dividing wall separating the first refrigerated
9 compartment from the second refrigerated compartment;
10 a duct connecting the first refrigerated compartment for
11 airflow communication with the second refrigerated compartment;
12 a damper movable between an open position and a closed
13 position for controlling airflow within the duct;
14 a refrigeration apparatus within the cabinet; and
15 a controller for controlling the damper;
16 wherein the controller carries out a damper cleaning
17 operation in which the controller at least partially opens and

18 then at least partially closes the damper a set number of times
19 at a set interval.

1 **Claim 11 (original):** The refrigerator of claim 10 wherein
2 the controller carries out the damper cleaning operation prior
3 to energizing an evaporator fan.

1 **Claim 12 (original):** The refrigerator of claim 10, further
2 comprising a defrosting apparatus, wherein the controller carries
3 out the damper cleaning operation subsequent to an operation of
4 the defrosting apparatus.

1 **Claim 13 (original):** The refrigerator of claim 10, further
2 comprising a defrosting apparatus, wherein the controller carries
3 out the damper cleaning operation between an operation of the
4 defrosting apparatus and a subsequent consecutive energizing of
5 the evaporator fan.

1 **Claim 14 (original):** The refrigerator of claim 10, wherein
2 during the cleaning operation the damper is moved from a fully
3 open position to a fully closed position.

Claim 15 (canceled)

1 **Claim 16 (currently amended):** A ~~The~~ damper cleaning
2 apparatus of claim 15 for a two compartment refrigerator having
3 a damper for controlling airflow between compartments, the damper
4 cleaning apparatus comprising:

5 a damper drive mechanism for opening and closing the
6 damper; and
7 a controller for controlling the damper drive mechanism
8 wherein the controller carries out a cleaning operation by at
9 least partially opening and then partially closing the damper a
10 set number of times at a set interval, wherein the controller
11 carries out the damper cleaning operation prior to an operation
12 of the an evaporator fan of the refrigerator.

1 **Claim 17 (currently amended):** ~~A~~ ~~The~~ damper cleaning
2 ~~apparatus of claim 15 for a two compartment refrigerator having~~
3 ~~a damper for controlling airflow between compartments, the damper~~
4 ~~cleaning apparatus comprising:~~

5 a damper drive mechanism for opening and closing the
6 damper; and
7 a controller for controlling the damper drive mechanism
8 wherein the controller carries out a cleaning operation by at
9 least partially opening and then partially closing the damper a
10 set number of times at a set interval, wherein the controller
11 carries our the damper cleaning operation subsequent to a defrost
12 operation of the refrigerator.

Claim 18 (canceled)

1 **Claim 19 (previously presented):** A method for cleaning a
2 damper in a refrigerator comprising steps of:
3 at least partially opening the damper;
4 following the step of opening, waiting for a set period and

5 then at least partially closing the damper;
6 repeating the steps of at least partially opening and
7 waiting a set number of times; and
8 initiating a defrosting operation of the refrigerator prior
9 to the step of opening.

1 **Claim 20 (previously presented):** A method for cleaning a
2 damper in a refrigerator comprising steps of:
3 at least partially opening the damper;
4 following the step of opening, waiting for a set period and
5 then at least partially closing the damper;
6 repeating the steps of at least partially opening and
7 waiting a set number of times; and
8 commencing a cooling operation of the refrigeration
9 apparatus following the step of repeating.

1 **Claim 21 (previously presented):** The refrigerator of claim
2 1, wherein the controller opens the damper during an off cycle
3 when the second refrigerated compartment requires cooling.

1 **Claim 22 (previously presented):** A refrigerator
2 comprising:
3 a cabinet;
4 a first refrigerated compartment within the cabinet having
5 a door;
6 a second refrigerated compartment within the cabinet;
7 a dividing wall separating the first refrigerated
8 compartment from the second refrigerated compartment;

9 a duct connecting the first refrigerated compartment for
10 airflow communication with the second refrigerated compartment;
11 a damper movable between an open position and a closed
12 position for controlling airflow within the duct;
13 a refrigeration apparatus having a refrigeration cycle
14 being measured from a first starting of the refrigeration
15 apparatus to a second consecutive starting of the refrigeration
16 apparatus, and an off cycle being a time within said
17 refrigeration cycle during which the refrigeration apparatus is
18 not operating;
19 a controller for controlling the damper; and
20 a door sensor connected to the controller for detecting
21 when the door is open;
22 wherein if the controller determines that the door been
23 opened during a set number of prior refrigeration cycles, the
24 controller opens the damper when the second refrigerated
25 compartment requires cooling.